

## RESEARCH OUTPUTS / RÉSULTATS DE RECHERCHE

### Preface

Castiaux, Annick; Gal, Graham; Petit, Michaël

*Published in:*  
CEUR Workshop Proceedings

*Publication date:*  
2010

*Document Version*  
Publisher's PDF, also known as Version of record

[Link to publication](#)

*Citation for pulished version (HARVARD):*  
Castiaux, A, Gal, G & Petit, M 2010, 'Preface', *CEUR Workshop Proceedings*, vol. 599.

### General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

### Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.



# 5<sup>th</sup> International Workshop on **Business/IT Alignment and Interoperability** **BUSITAL 2010**

**Hammamet, Tunisia, 7 June 2010**

In conjunction with the CAISE'10  
22<sup>nd</sup> International Conference on Advanced Information Systems Engineering

## **Workshop Proceedings**

### **Editors**

#### **BUSITAL 2010 Chairs**

**Michaël Petit**

*University of Namur (FUNDP), Belgium*

**Graham Gal**

*Isenberg School of Management,  
University of Massachusetts  
Amherst, MA, USA*

**Annick Castiaux**

*University of Namur (FUNDP), Belgium*

#### **CAiSE'10 Workshop Chairs**

**Jolita Ralyté**

*University of Geneva, Switzerland*

**Pierluigi Plebani**

*Politecnico di Milano, Italy*

# **CAiSE 2010 Workshop BUSITAL**

## **Proceedings**

This volume contains the original articles presented at the 5th International Workshop on Business/IT Alignment and Interoperability – BUSITAL’10. The workshop was held in conjunction with the 22<sup>nd</sup> International Conference on Advanced Information Systems Engineering, in Hammamet, Tunisia, June 7, 2010.

Copyright © 2010 for the individual papers by the papers’ authors. Copying permitted only for private and academic purposes. This volume is published and copyrighted by its editors.

CEUR Workshop Proceedings, CEUR-WS.org, ISSN 1613-0073.

## **Preface**

The BUSITAL'10 workshop is the 5<sup>th</sup> edition of the BUSITAL workshop dedicated to business/IT alignment, and interoperability of information systems. Previous editions occurred in Luxembourg, Trondheim, Montpellier and Amsterdam.

### **Scope and Purpose**

Organizations are today becoming more and more dependent on their information systems and IT-based support systems to realize their business strategies, building value networks with partners, and managing their resources effectively. But ensuring that their IT investments are well aligned is not easy. Such alignment is a critical “early stage” activity to understand how information systems contribute to business strategy and to set directions for the development and maintenance processes that follow. It requires a good understanding and solving of issues at all levels ranging from information technology issues, through organizational issues up to business and strategic issues, and the ability to rapidly, smoothly and consistently adapt all these.

A number of frameworks and methods have been designed to help managers in aligning business and IT. Recently, novel methods and techniques based on conceptual and enterprise modeling have been proposed to support mutual alignment between business needs and IT solutions.

The overall objective of the workshop is to bring together a large community (both Information Systems and Information Management) contributing to exploring the benefits, challenges and solutions of business and IT alignment.

### **Topics**

BUSITAL 2010 topics are well connected to the CAiSE 2010 ones since enterprise models (including strategy and process models), enterprise architecture, and methodological aspects may play a central role in alignment. BUSITAL concentrates on topics related to the business strategy and to the methods and tools for ensuring alignment, including:

- Frameworks, techniques and methods for capturing, understanding and representing business strategy and its impact on information systems landscapes;
- Systems methodologies and frameworks for guiding information system design using relevant information in business strategy models/definitions, including traceability issues;
- Models, methods, and tools for indicating, analyzing, and measuring alignment;

## II

- Solutions for guiding information systems evolution and adaptation using relevant information in business strategy models/definitions, including IT governance;
- Case studies and empirical reports on the benefits and costs of alignment;
- Business/IT alignment in organizational networks, including co-creation of value through global networks;
- Alignment issues in Service-Oriented analysis and design.

The presented papers have been grouped in three sessions:

- Motivations and quality-based approaches for Business-IT Alignment;
- IT governance, Business-IT Alignment management and evaluation;
- Business ontologies and models for Business-IT Alignment.

We would like to thank the authors and the members of the Program Committee for their effort in making this 5<sup>th</sup> edition a success.

May 2010

Annick Castiaux  
Graham Gal  
Michaël Petit

## **BUSITAL'10 Organization Committee**

### **Workshop Chairs**

A. Castiaux, University of Namur, Belgium  
G. Gal, University of Massachusetts, USA  
M. Petit, University of Namur, Belgium

### **Program Committee**

E. Dubois, Public Research Centre Henri Tudor, Luxembourg  
J. Gordijn, Vrije Universiteit, The Netherlands  
P. Hruby, Microsoft, Denmark  
P. Johannesson, KTH Stockholm, Sweden  
J. Krogstie, NTNU, Trondheim, Norway  
K. Lyytinen, Case Western Reserve University, USA  
S. Nurcan, Université Paris 1 Panthéon-Sorbonne, France  
Y. Pigneur, University of Lausanne, Switzerland  
W.J. van den Heuvel, Tilburg University, The Netherlands  
A. Wegmann, EPFL, Switzerland  
H. Weigand, Tilburg University, The Netherlands  
H. Werthner, TU Wien, Austria  
R.J. Wieringa, University of Twente, Enschede, The Netherlands  
C. Woo, University of British Columbia, Vancouver, Canada  
E. Yu, University of Toronto, Canada

### **Communication Chair**

A. Heni, University of Namur, Belgium

## Table of Contents

Preface <i>Annick Castiaux, Graham Gal and Michaël Petit</i>	I
 <b>Motivations and quality-based approaches for Business-IT Alignment</b>	
Quality Evaluation for Strategic Alignment Engineering: An eGovernment Application <i>Gianluigi Viscusi and Pei Li</i>	1
Using Goals to Model Strategy Map for Business IT Alignment <i>Abdul Babar, Didar Zowghi and Eng Chew</i>	16
The Business Behavior Model <i>Denis Lemaire and Birger Andersson</i>	31
 <b>IT governance, Business-IT Alignment management and evaluation</b>	
Towards a Method Framework for Enterprise Architecture Management - A Literature Analysis from a Viable System Perspective <i>Sabine Buckl, Florian Matthes and Christian Schweda</i>	46
Enhancement of Business IT Alignment by Including Responsibility Components in RBAC <i>Christophe Feltus, Michaël Petit and Morris Sloman</i>	61
Return on Experience of the Implementation of a Business-IT Alignment Approach: Theory and Practice <i>Islem Gmati, Irina Rychkova, Judith Barrios and Selmin Nurcan</i>	76
 <b>Business ontologies and models for Business-IT Alignment</b>	
Generating Value Models using Skeletal Design Techniques <i>Ivan Salvador Razo-Zapata, Ania Chmielowiec and Jaap Gordijn</i>	91
Exploring REA and Open-edi Business Frameworks for Service Modeling <i>Jelena Zdravkovic and Tharaka Ilayperuma</i>	106
Describing Coordination Services with REA <i>Hans Weigand, Birger Andersson, Paul Johannesson, Maria Bergholtz and Jeewanie Jayasinghe Arachchig</i>	120